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| U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE |                        |                                     |   |  |                  |  |   |  |
|  | V. T. WOLK THE         |                                     |   | Application Number   | 10/709,889       |  |   |  |
| TRANSMITTAL  |                        |                                     | Filing Date   |  | June 3, 2004     |  |   |  |
| ••   | FO                     |                                     |   | First Named Inventor   |                  |  |   |  |
|  |                        |                                     |   | Art Unit   | Manabu Hashikura |  |   |  |
| (to be used for  | all corresp            | ondence after initial               | filing)   |  | 2812             |  |   |  |
|  | _                      |                                     |   | Examiner Name  | (to be assigned) |  |   |  |
| Total Number of  | Pages in 1             | This Submission                     | 23  | Attorney Docket Number   | 39.043           |  |   |  |
| Total Number of  | r ages in              | This Cabinission                    |   |  |                  |  |   |  |
|  |                        |                                     | ENC   | LOSURES (Check all that  | t apply)         |  |   |  |
| Fee Attached  Amendment/Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  |                        |                                     | Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a  Provisional Application  Power of Attorney, Revocation  Change of Correspondence Addr  Terminal Disclaimer  Request for Refund  CD, Number of CD(s) | Appeal Communication to Boa of Appeals and Interferences Appeal Communication to Gro (Appeal Notice, Brief, Reply Brief Proprietary Information  Status Letter Other Enclosure(s) (please Identify below): |                  | and Interferences nmunication to Group ce, Brief, Reply Brief) Information er esure(s) (please |   |  |
| R ui   | esponse i<br>nder 37 C | to Missing Parts<br>FR 1.52 or 1.53 |   |  | ·                |  |   |  |
|  |                        | SIGNA                               | TURE C  | OF APPLICANT, ATTORN   | EY, OR AGEN      | VT   |   |  |
| Firm<br>or<br>Individual name  | or Judge Patent Firm   |                                     |   |  |                  |  |   |  |
| Signature  |                        |                                     |   |  |                  |  |   |  |
| Date October 19, 2004  |                        |                                     |   |  |                  |  |   |  |
| CERTIFICATE OF TRANSMISSION/MAILING  |                        |                                     |   |  |                  |  |   |  |
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.  |                        |                                     |   |  |                  |  |   |  |
| Typed or printed   | name                   |                                     |   |  |                  |  |   |  |
| Signature  |                        |                                     | *   |  |                  | Date   |   |  |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No.

10/709,889

Confirmation No. 3888

**Applicant** 

Manabu Hashikura June 3, 2004

Filed

Tech. Cntr./Art Unit :

Examiner

(To be assigned)

Docket No.

39.043

2812

Customer No.

29453

Honorable Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Sir:

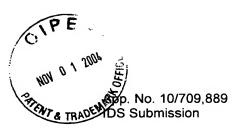
This constitutes an Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.97 and 1.98. The attached documents listed on the accompanying Form PTO/SB/08A are hereby brought to the Examiner's attention in the patent application identified above.

## **REMARKS**

Both of the presently submitted references, i.e., Cite Nos. F1 and F2 listed on Form PTO/SB/08A, are not in English.

## Concise Explanation of Relevance/Copy of Translation Pursuant to 37 C.F.R. § 1.98(a)(3)

A concise explanation of the relevance of each of Cite Nos. F1 and F2 is incorporated into the specification in the present application at paragraphs [0003] and [0004].



Furthermore, English abstracts of the presently submitted references are available on the Japanese Patent Office website through Patent Abstracts of Japan (PAJ), and a copy of the corresponding abstract is attached to the back of each reference.

The Examiner is respectfully requested to consider these references, and to indicate so on the accompanying Form PTO/SB/08A and make the document of record in the present application.

Respectfully submitted,

October 19, 2004

James W. Judge

Registration No. 42,701

JUDGE PATENT FIRM

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-0031

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|           |                      | -      | 201 001105   | Application Number     | 10/709.889       |  |  |  |
| INFO      | RMAHON               | DI:    | SCLOSURE     | Filing Date            | June 3, 2004     |  |  |  |
| STA       | TEMENT B             | Y      | APPLICANT    | First Named Inventor   | Manabu Hashikura |  |  |  |
|           |                      |        |              | Art Unit               | 2812             |  |  |  |
| (         | (use as many shee    | ets as | s necessary) | Examiner Name          | (To be assigned) |  |  |  |
| Sheet     | 1                    | of     | 1            | Attorney Docket Number | 39.043           |  |  |  |

| U.S. PATENT DOCUMENTS |  |  |  |  |   |  |  |
|-----------------------|--|--|--|--|---|--|--|
| Examiner<br>Initials  |  | Document Number Number- Kind Code <sup>2</sup> (if known | Publication Date<br>MM-DD-YYYY   | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |  |
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| FOREIGN PATENT DOCUMENTS   |                          |  |  |  |  |    |  |
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| Examiner<br>Initials   | Cite<br>No. <sup>1</sup> | Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (# known)   | Publication Date<br>MM-DD-YYYY   | Name of Patentee or<br>Applicant of Cited Document   | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear  | T6 |  |
|  | F1                       | JP-H04-078138-A  | 03-12-1992   | NGK Insulators Ltd   |  | ~  |  |
| Commence of the Commence of th | F2                       | JP-2001-118664-A   | 04-27-2001   | Ibiden Co Ltd  | 210000000000000000000000000000000000000  | ~  |  |
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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